

PAGE: 1

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/852,495CDATE: 10/08/1999  
TIME: 11:12:30

INPUT SET: S33597.raw

p#28

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

## SEQUENCE LISTING

ENTERED

1  
2  
3 (1) General Information:  
4  
5 (i) APPLICANT: Ruddy, David A.  
6 Wolff, Roger K.  
7  
8 (ii) TITLE OF INVENTION: POLYMORPHISMS IN THE REGION OF THE HUMAN  
9 HEMOCHROMATOSIS GENE  
10  
11 (iii) NUMBER OF SEQUENCES: 26  
12  
13 (iv) CORRESPONDENCE ADDRESS:  
14 (A) ADDRESSEE: Pennie & Edmonds, LLP  
15 (B) STREET: 1155 Avenue of the Americas  
16 (C) CITY: New York  
17 (D) STATE: NY  
18 (E) COUNTRY: USA  
19 (F) ZIP: 10036-2811  
20  
21 (v) COMPUTER READABLE FORM:  
22 (A) MEDIUM TYPE: Floppy disk  
23 (B) COMPUTER: IBM PC compatible  
24 (C) OPERATING SYSTEM: Windows  
25 (D) SOFTWARE: FastSEQ for Windows Version 2.0b  
26  
27 (vi) CURRENT APPLICATION DATA:  
28 (A) APPLICATION NUMBER: 08/852,495  
29 (B) FILING DATE: 07-MAY-1997  
30 (C) CLASSIFICATION:  
31  
32 (vii) PRIOR APPLICATION DATA:  
33 (A) APPLICATION NUMBER:  
34 (B) FILING DATE:  
35  
36 (viii) ATTORNEY/AGENT INFORMATION:  
37 (A) NAME: Poissant, Brian M  
38 (B) REGISTRATION NUMBER: 28,462  
39 (C) REFERENCE/DOCKET NUMBER: 8907-0057-999  
40  
41 (ix) TELECOMMUNICATION INFORMATION:  
42 (A) TELEPHONE: 650-493-4935  
43 (B) TELEFAX: 650-493-5556  
44 (C) TELEX: 66141 PENNIE  
45  
46

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PATENT APPLICATION US/08/852,495CDATE: 10/08/1999  
TIME: 11:12:31

INPUT SET: S33597.raw

47 (2) INFORMATION FOR SEQ ID NO:1:  
48

49 (i) SEQUENCE CHARACTERISTICS:

50 (A) LENGTH: 235033 base pairs

51 (B) TYPE: nucleic acid

52 (C) STRANDEDNESS: single

53 (D) TOPOLOGY: linear  
54  
55  
56  
5758  
59 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
60

61	CACACACACA CACACACACA CACACACACA CACACAAATG AGGTATATAA AGGGTCTCCT	60
62		
63	AAAATGTCAT CTGATATTG TTATTTTATA TTCTCAGATT TTTAATCCAT TTAGGTAGGT	120
64		
65	CTATTTTAGA TAGCCTTGTC TGAAACAGAG CTGGGACCTG ATGAGTGAAA ATGAGCTCAC	180
66		
67	CAGAAGAAAA ATCAAACAGG CATTTCAGAG ATTGAGGCCA AGAAGTTAAA TGTCTTAAAT	240
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69	GGGCAGAGCT TAGCTGCTTG ATGTGAAAAG AGACCAGCGT GGCTGGAACA GCAAAGGAGA	300
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71	ACAGCAGAAG AGGTGAACAG AGGCCAGAGA TGGTCACTGA GTGGGCCCTT AAGTCATGGT	360
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73	AAGGAGTATG GAGAATGAAT TATTGCATGT ATTGAATATG TAGGTGACGT GACTCACAGA	420
74		
75	TACTTTGGAT TTGTAGAGAT GAAGGAAATG TAGCAAGTGA CACTCTTAGA ATGTTGATTT	480
76		
77	GAGTAAATGG TAGTGTCAGT TATTGAACTG GGGAGAACTG GAAGGGATAA CAGGCTTAAG	540
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79	GAGCACGTTT ATTCCTGTGT CTTGGAAGTG TTTAGGGTGA AAGACCTATT AGAGTTCTAA	600
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81	ATGGAGATGT CAAGTGAAAA TGTGGCTACA CACATTTGCA TTTCAGAAAA AAGGTCAGGC	660
82		
83	TGGAGATGTA AAATTGGAAG TTTACTGCAT ATAGATAGTC TTTGGAACCG TAGTATTGAT	720
84		
85	GAAGCCATTA ATGAGACAGA ACAAAGACTA GGGACCAGAG CCAAGCTCCA AGTTTCTAAA	780
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87	ATTTAGAGGA TAGTATAGTC TGGTCATTTT GAGGTGAATA CTTAATAACA GAACAATTTG	840
88		
89	TTGAAGTGTA AATTTAGAGC CCTACACTTT TAGCTCTGAC TATTAACGAA TACAGGAAAG	900
90		
91	AATGGATATG GTTATCTGCC TGGTGTCTGT GAAATAATTT AAGCCAGGAA GAGATCCTCA	960
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93	CCAGAACTG ACTATGCTGG CAACTTGGAT CTTAGATTTT CAGCCTGCAG AATTGTTAGA	1020
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95	AAATAAATGT CTATCGTTTA AGCCACCAGT CTGTAGTATT TTGTTATGGC AGTCCAAGCT	1080
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97	GACTAAGTTT TGGTACCCAG GCGTGGGATG CTGCAACAAC AAATACCTAA ACATGGGGAA	1140
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99	GTGGCTTTGG AAATTGGTGA TGGGTAAAGG CTGGAAGAGT TTGAGGTTCA TACTAGAAAA	1200

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105	CGATCATGGA	TAGAATATTA	AATATGCTGG	TTAAAATATG	GACTTTTAGGC	CAGGCGTGGT	1380
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107	GGCTCACGCC	TGTAATCTCA	GCACTTTGGG	AGGCTGAGGG	CACAGATCAC	GAGGTCGGGA	1440
108							
109	GTTTGAGACC	AGCCTGGCCA	ATATGGCGAA	ACCCTGTCTC	TACTAAAAAT	ACAAAAATTA	1500
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111	GCTGGGCATG	GTGATGTGCT	TCTGTGGTCC	CAGCTACTCG	GGAGGCTGAG	GCTGAAGAAT	1560
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115	TGGGATACAG	AGCAGGACTC	CACTCCCCCC	GCCACACACA	CACAAAAAAT	ATATATATAT	1680
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117	GGACATTAAA	GTCAACTCTT	GTGAGGTCTC	AGATGAAAAT	GAGGGACAGG	TTATTGGAAA	1740
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119	CTGTAGAAAAT	CACTGTTCTT	GTTACAATGT	GTCAAGAACT	TGGCTGAATT	ACGCTGTAGT	1800
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125	AGAGCCGAAA	TAAAGAAGGA	ATTTTAAAGC	AAAACACAAT	CAGAACTTGG	AGATTTGGGA	1980
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129	ACAATGTTTT	CTTTTTCTTT	TTTTTCTTGG	GTTTTATTTT	TATTTTATATG	TTTTTTGAGA	2100
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139	AAAGTGTTGG	GATTACAGGC	GTGAAACACT	GAGCCTAGCC	TGAACAACCA	TTTGATAAAG	2400
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143	TGGGATTATT	CCAGCAGAGA	CACTGCCAAT	TTAAACTAAC	GTAGGCAGAG	AAAACAGAAA	2520
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151	GTAGGGCAAT	GGTGTGATCT	CAGCTCACTG	CAATCTCCAC	CTCCAGGTT	CAAGGGATTC	2760
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PATENT APPLICATION US/08/852,495CDATE: 10/08/1999  
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INPUT SET: S33597.raw

153	TCTTGCCTTA	GACTCCCAAG	TAGCTGGGAT	TACAGGCTCT	AAATCTGTAC	CCTCCCGAGT	2820
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157	CTATGTTGGC	CAGGCTAGTT	TGGAACCTCT	GACCTCCAGT	GATCCATTCT	CATTGGCCTC	2940
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169	TTTCTTAAGA	CCTAACAGAA	TTGCCTTGC	CAGGTTTGG	ACTTGATTAG	GACACATTAC	3300
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171	ACCTTCCTTC	TTTCCTATTT	CTCCATTTTC	TAATGGGAAT	GTCTATTATG	CCTGTTTCAC	3360
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173	CATTGTACCT	TAGAAGCATG	TAACATTTCT	GGTTTCACAC	GTTCAAAGCT	GGAAAGGAAT	3420
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177	AGATGACACT	TTGAACTTTA	GAATTGATGC	TAGAATGAGT	TAAGACTTTC	AGGGGGCTGT	3540
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181	GAGTGCAGTG	GCACCATCTT	GGCTCACTGC	AAGCTCTGCC	TCCCGGGTTT	ATGCCATTCT	3660
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183	CATGTCTCAG	CCTCCAGAGT	AGCTGGGACT	ACAGGCGCCC	GCCACCACGC	CTGGCTAATT	3720
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185	TTTTTTTTAT	TTTAGTAGAG	ATGGGGTTTC	ACCGTGTTAG	CCAGAATGGT	CTCGATCTCT	3780
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187	TGACCTTCTG	ATCCGCCTGC	CTTGGCTTCC	CAAAGTGCTG	GGATTACACG	TGTGAGCCAC	3840
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189	CATGCCCCGC	TGGGATGGAA	TAAATTTATC	TTGTATGGGA	GAAGGACATA	CATTTTGGCA	3900
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191	GGTCAAGGAC	AGAATGTTAT	GGACTAAACT	GTGTCCCCCA	AAATTCATTT	ATTAAAACCC	3960
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193	TAAACCCCAG	TGTGACTGCA	TTTGGACATA	GAGCCTTTAG	GGGGTACATA	AAACTAAAGA	4020
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195	TCACAGGATA	GGGCCCTAAT	CCCATTGGGG	CTGGTGTCTT	TACAGAAGAT	GAGACACTTA	4080
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197	GAGCTCTCTC	TCCACGCAGG	CACCAAGGAA	ACACCATACA	AACACACAGT	GAGATGGCAG	4140
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203	AAAAGATTCT	GTTGTTTAAG	CCATCCAGTC	TCTGGTATTT	TGTTATGGCA	GCCTGAGTAG	4320
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205	GCTAAGACAA	TGAAGGATGT	GGTAAACTT	TACGTCCCAA	CCACATACCA	AAGAGGCTGG	4380

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213	CATTTTATTT	TGAAATCTAC	ATGCCATATT	CCAATTTCTG	TTGAAGATGC	AATGGTTATA	4620	
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215	TTTATTCTTT	TTAATATAGA	TTTATCAGAC	TGGGCGCGGT	GGCTCATACC	TGTAATCCTA	4680	
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223	GGTTGCAATG	AGTGGAATC	GCACCAGTAC	ACTCCAGCCT	GGATGACAGA	GCAAAATAAT	4920	
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225	AAATAAATAC	ATAAAATAGA	TTTATCAGTT	TATCAATAAT	ATAGTTTCT	TTTCTAGGTG	4980	
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227	TAAATATAGG	TAATGACTGT	CCTTTAGTAC	ATTTTCTCAT	GATGCTCCTC	TTACTTGGTT	5040	
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229	TGGTACAATA	TTAAGTATTG	AAATAAAATA	GAGAATCCTG	TCGCTACACA	TGAGCACTTA	5100	
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233	ACACATGCAT	TATATTCAAC	AGGAATATAT	AAATTTATAA	TTATAATTTA	GGATCAACAG	5220	
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235	ATGACAAACC	TTTAGAAGGT	TTGTATTTAA	CCTTAAATA	TAATTTTTTA	AAAATTGGTT	5280	
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239	GTTCAAATGA	TTTACAGAAT	ACAAAAAGTG	AATAGAGATG	ATGAATGAAT	TAAAGGAAAG	5400	
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241	GATATTGCTA	CATAGATTTG	GAAATTTAAA	AAGGGAAATT	ACGATTGTTG	ATTTTGTGTT	5460	
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243	AAACTGATCT	GCTTTGTTCA	AGATACCTTA	TGTACCAAAA	AATGATTTTA	TCTCAGCCTC	5520	
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245	ATATCTCAGT	AAATTCCTGA	GACAAACTTT	AGTCCCTGGT	GCCCAGGTGC	CTTTGGTAAT	5580	
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247	TGGGAGACCT	CTAGGTTTAG	CATCCTCATC	CACTCGCCCC	AATTTAAATA	GTCCTCCCCA	5640	
248								
249	GGGCCATTCA	GGCAAGGGAG	ATGAAAACTT	GCTCAAGAGT	TGGAATCCAA	CTGAAGCTAC	5700	
250								
251								

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/852,495C**

DATE: 10/08/1999  
TIME: 11:12:32

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Original Text